

FIG. 1

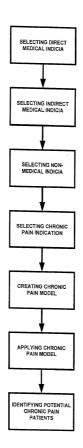


FIG. 2

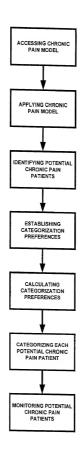


FIG. 3

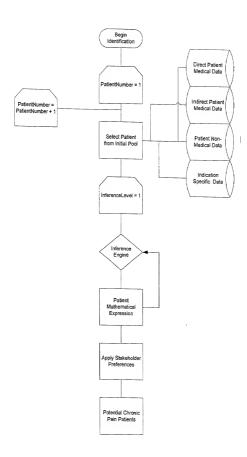


FIG. 4

Direct Medical Indicia	Positive In	Possible Out	Probable In	Possible In
1. ICD-9-CM "Specific" Lumbar Spine Diagnoses Code			×	
2. ICD-9-CM "Non-specific" Generalized Pain Syndrome Diagnoses Codes			×	
3. ICD-9-CM Diagnosis Code Identifying a Co-morbidity Commonly				×
Associated with Lumbar Spine Injury				
4. ICD-9-CM "Other" Medical Condition Diagnostic Code Clearly		×		
Attributing the Condition to a Non-Lumbar Spine Diagnosis				
5. ICD-9-CM Procedure Codes Indicating the Condition is Related to a		×		
Known Acute Condition (e.g. post-operative surgical pain)				
6. CPT Codes Indicating the Condition is Related to a Known Acute		×		
Condition (e.g. post-operative surgical pain)				
7. ICD-9-CM Procedure Codes Relating to Lumbar Spine Care				×
8. ICD-9-CM Procedure Codes Relating to Lumbar Spine Pain				×
9. ICD-9-CM Procedure Codes Relating to Lumbar Spine Pain Establishing a	×			
Pattern of Chronicity (time and homogeneity)				
10. CPT Codes Identifying Lumbar Spine Care-related Procedures				×
11. CPT Codes Identifying Lumbar Spine Pain-related Procedures			×	
12. CPT Codes Identifying Lumbar Spine Pain-related Procedures Establishing				
a Pattern of Chronicity				
13. Drug Prescription Codes for opioid, non-steriodal or muscle relaxant				×
indicating dosage, frequency, length of time, combinations consistent with				
spine pain treatment				
14. Drug Prescription Codes for opioid, non-steriodal or muscle relaxant				×
indicating dosage, frequency, length of time, combinations identifying				
patient as being at risk of developing a chronic lumbar pain condition				
<ol> <li>Drug Prescription Codes for opioid, non-steriodal or muscle relaxant</li> </ol>	×			
indicating dosage, frequency, length of time, combinations consistent with				
chronic spine pain treatment				

FIG. 5a

Direct Medical Indicia	Positive In	Possible Out	Probable In	Possible In
16. Emergency Room Visits (with ICD-9-CM, CPT or Drug Codes, or test results) Indicating a Lumbar Spine Condition				×
17. Emergency Room Visits (with ICD-9-CM, CPT or Drug Codes, or test			×	
results) Indicating a Lumbar Spine Pain Condition				
18. Emergency Room Visits (with ICD-9-CM, CPT or Drug Codes, or test	×			
results) Establishing the Chronicity of a Lumbar Spine Pain Condition				
(time and pattern or homogeneity)				
19. Hospitalizations Visits (with ICD-9-CM, CPT or Drug Codes, or test				×
results) Indicating a Lumbar Spine Condition				
20. Hospitalizations Visits (with ICD-9-CM, CPT or Drug Codes, or test			×	
results) Indicating a Lumbar Spine Pain Condition				
21. Hospitalizations Visits (with ICD-9-CM, CPT or Drug Codes, or test	×			
results) Establishing the Chronicity of Lumbar Spine Pain Condition (time				
and pattern or homogeneity)				
22. Physician Office Visits (with ICD-9-CM, CPT or Drug Codes, or test				
results) Indicating a Lumbar Spine Condition				
23. Physician Office Visits (with ICD-9-CM, CPT or Drug Codes, or test				×
results) Indicating a Lumbar Spine Pain Condition				
24. Physician Office Visits (with ICD-9-CM, CPT or Drug Codes, or test	×			
results) Establishing the Chronicity of a Lumbar Spine Pain Condition				
(time and pattern or homogeneity of complaint)				
25. Rehabilitation or Palliative Care ICD-9-CM Procedure Codes				×
26. Telephone Consultation (with documentation relating to lumbar spine pain				×
condition)				
27. Coded Trauma (related test result, procedure, etc.)				>

FIG. 5b

Direct Medical Indicia	Maximum			
Drug Product	Adult	Positive In	Probable In	Possible In
	Daily Dose	(2000)	(120 day union and)	(120 day umerrame)
Over The Counter Non-Narcotic Analgesic Agents	には はないない			STATE OF THE PARTY
Acetaminophen (Tylenol)	12 tabs	12 tabs	<12 tabs	<12 tabs
		≥91 days	≥91 days	<91 days
Aspirin 325mg	18 tabs	18 tabs	<18 tabs	<18 tabs
		≥91 days	≥91 days	<91 days
Ibuprofen 200mg (Motrin)	16 tabs	16 tabs	<16 tabs	<16 tabs
		≥91 days	≥91 days	<91 days
Salicylate Agents		The State of the S	A. S.	
Salsalate 500mg (Disalcid)	6 tabs	6 tabs	<6 tabs	<6 tabs
		≥91 days	≥91 days	<91 days
Diflunisal 500mg (Dolobid)	3 tabs	3 tabs	<3 tabs	<3 tabs
		≥91 days	≥91 days	<91 days
Opioid and Related Analgesic Agents		は は は できな		
APAP/Propoxyphene Napsylate 100	6 tabs	6 tabs	<6 tabs	<6 tabs
(Darvocet-N 100)		≥91 days	≥91 days	<9 days
APAP/Oxycodone 5/325 (Percocet)	12 tabs	12 tabs	<12 tabs	<12 tabs
A SAVAN MARKATAN AND A		≥91 days	≥91 days	<91 days
ASA/Oxycodone 5/325 (Percodan)	18 tabs	18 tabs	<18 tabs	<18 tabs
		≥91 days	≥91 days	<91 days
APAP/Oxycodone 5/500 (Tylox)	8 tabs	8 tabs	<8 tabs	<8 tabs
		≥91 days	≥91 days	<91 days
APAP/Hydrocodone 5/500 (Vicodin)	8 tabs	8 tabs	<8 tabs	<8 tabs
		≥91 days	≥91 days	<91 days
APAP/Hydrocodone 10/650 (Lorcet)	6 tabs	6 tabs	<6 tabs	<6 tabs
The state of the s		≥91 days	≥91 days	<91 days
APAP/Hydrocodone 2.5/500 (Lortab)	8 tabs	8 tabs	<8 tabs	<8 tabs
		≥91 days	≥91 days	<91 days

FIG. 6a

Drug Product	Adult	Positive In	Probable In	Possible In
	Daily Dose	Ì	(amount on our	(120 day umenane)
APAP/Codeine 30/300 (Tylenol-3)	12 tabs	12 tabs	<12 tabs	<12 tabs
		≥91 days	≥91 days	<91 days
Non-Steroidal Anti-inflammatory Drugs (NSAIDs)	大学 はなる	はは変えるのである。		
Celecoxib (Celebrex)	4 caps	4 caps	<4 caps	<4 caps
TO THE PROPERTY OF THE PROPERT		≥91 days	≥91 days	<91 days
Diclofenac 100mg ER (Voltaren XR)	2 tabs	2 tabs	<2 tabs	<2 tabs
		≥91 days	≥91 days	<91 days
Etodolac Extended Release 400mg (Lodine XL)	3 tabs	3 tabs	<3 tabs	<3 tabs
		≥91 days	≥91 days	<91 days
Naproxen Controlled Release 500mg (Naprelan)	2 tabs	2 tabs	<2 tabs	<2 tabs
		≥91 days	≥91 days	<91 days
Nabumeton 500mg (Relafen)	4 tabs	4 tabs	<4 tabs	<4 tabs
		≥91 days	≥91 days	<91 days
Muscle Relaxants	Charles Andrews		· · · · · · · · · · · · · · · · · · ·	Control of the second
Carisoprodol (Soma)	4 tabs	4 tabs	<4 tabs	<4 tabs
(3) (6)		≥91 days	≥91 days	<91 days
Chlorzoxazone (Paraflex)	12 tabs	12 tabs	<12 tabs	<12 tabs
year y		≥91 days	≥91 days	<91 days
Cylobenzaprine (Flexeril)	6 tabs	6 tabs	<6 tabs	<6 tabs
		≥91 days	≥91 days	<91 days
Diazepam 5mg (Valium)	8 tabs	8 tabs	<8 tabs	<8 tabs
		≥91 days	≥91 days	<91 days
Metaxalone (Skelaxin)	8 tabs	8 tabs	<8 tabs	<8 tabs
		≥91 days	≥91 days	<91 days
Methocarbamol 500 (Robaxin)	8 tabs	8 tabs	<8 tabs	<8 tabs
		≥91 days	≥91 days	<91 days
Orphenadrine Citrate (Norflex)	2 tabs	2 tabs	<2 tabs	<2 tabs
		≥91 days	≥91 days	<91 days

b. Medical record notation.  c. Associated tD-9-C/M or CPT code. b. Medical record notation. c. Associated time period, either multiple visits within an associated period of time; or pattern of visits showing elapsed period of time; or pattern of visits showing a Associated ICD-9-C/M or CPT code. b. Associated imperiod, either multiple visits within an associated imperiod, either multiple visits showing elapsed period of time; or pattern of visits showing dapsed period of time (e.g. ≥91 days months).  a. Drug code for drugs (e.g. anti-inflammatory, anti-depresant, musicel relaxant, optoid) associated with pain symptom treatment.	Chronic pain patients frequently visit the physician office, for pain related reasons as well as for complaints of non-specific origin. Chronic pain patients frequently present to the ER frequently present to the ER frequently present to the BR frequently present to the BR well as for complaints non- specific in origin. Prescription and non- prescription drug use is a
notation.  period, either multiphe visits within an ad of time; or pattern of visits showing of time; or pattern of visits showing of time (e.g. ≥91 days).  period, either multiple visits within an of time; or pattern of visits showing of time; or pattern of visits showing of time; or pattern of visits showing of time (e.g. ≥91 days months).  "ugs (e.g. anti-inflammatory, anti-olde relaxant, opioid) associated with returnent.	
to period, either multiple visits within an dof filme; or pattern of visits showing of time (e.g. ≥91 days).  9-CM or CPT code.  9-Erdd, either multiple visits within an dof time; or pattern of visits showing filme (e.g. ≥91 days months).  10-18 (e.g. anti-inflammatory, anti-left relatant, opioid) associated with reatment.	
do of time; or pattern of visits showing of time (e.g. $\ge 91$ days).  9-CM or CPT code.  9-CM or CPT code.  10 filme, or pattern of visits within an of of time, or pattern of visits showing of time (e.g. $\ge 91$ days months).  10 visit (e.g. $\ge 91$ days months).  11 visit (e.g. $\ge 91$ days months).  12 visit (e.g. $\ge 91$ days months).  13 visit (e.g. $\ge 91$ days months).  14 visit (e.g. $\ge 91$ days months).	
of time (e.g. 291 days).  9-CM or CPT code.  1 period, either multiple visits within an d of time; or pattern of visits showing of time (e.g. 291 days months).  1 ugs (e.g. anti-inflammatory, anti-left relaxant, opioid) associated with returnent.	non-specific origin.  Chronic pain patients frequently present to the ER fro pain related reasons as well as for complaints non- specific in origin. Prescription and non- prescription drue use is a
9-CM or CPT code.  1 period, either multiple visits within an dof time; or pattern of visits showing if time (e.g. ±91 days months).  1 ugs (e.g. anti-inflammatory, anti-offer relaxant, opioid) associated with returnent.	Chronic pain patients frequently present to the EIR frequently present to the EIR frequently present on the EIR synchizer or complaints non- specific in origin. Prescription and non- prescription drug use is a
reperiod, either multiple visits within an doftime; or pattern of visits showing fitine (e.g91 days months).  rugs (e.g. anti-inflammatory, anti-offer relaxant, opioid) associated with reatment.	Curionic pain patients Curionic pain patients frequently present to the ER for pain related reasons as well as for complaints non- specific in origin. Prescription and non- prescription and non- prescription que use is a
Process, water managers and of time; or pattern of Visits showing of time (e.g. 291 days months).  "ugs (e.g. anti-inflammatory, anti-cle relavant, opioid) associated with estiment.	irequently present to the EK for pain related reasons as well as for complaints non-specific in origin.  Prescription and non-prescription and que use is a
of time (e.g. ≥91 days months).  ugs (e.g. anti-inflammatory, anti- cle relaxant, opioid) associated with reatment.	very pain remove reasons as year fast of the resolution and non-prescription and non-prescription drug use is a
ugs (e.g. anti-inflammatory, anti- cle relaxant, opioid) associated with eatment.	specific in origin.  Prescription and non- prescription drug use is a
ugs (e.g. anti-inflammatory, anti- cle relaxant, opioid) associated with eatment.	Prescription and non- prescription drug use is a
cle relaxant, opioid) associated with eatment.	prescription drug use is a
eatment.	The state of the s
	common indicator of chronic
<ul> <li>b. Drug codes, when used in combination, tend to</li> </ul>	nain. Such denos are often
indicate presence of pain.	provided to nationts from a
c. Dosing level consistently high	variate of sources in on
d. Multiple prescribers.	uncoordinated manner or
e. Associated time period establishing elapsed period of	without the development of a
time (>91 days).	patient plan of care.
<ol> <li>Evidence of drug over use or use of illegal drugs.</li> </ol>	
	Chronic pain patients often
	demand more attention from
_	their caregivers than the
_	general nonulation for
<ul> <li>Clustered calls with a defined time period.</li> </ul>	symptom -specific as well as
e period establishing elapsed period	for non-symptom specific
	reasons.
	<ul> <li>a. Notation in medical record, associated code if possible.</li> <li>b. Calls outside the defined range of frequency for a typical patient.</li> <li>c. Clustered calls with a defined time period.</li> <li>e. Associated time period establishing elapsed period of time (&gt;91 days).</li> </ul>

5. Primary Diagnosis ICD-9-CM diagnostic code associated with pain condition or trauma, or with a disease known to have associated pain condition.  7. Hospitalizations  a. Time period establishing  b. Admitting diagnosis  c. Procedures performed  a. Diagnosic uset associated  b. Associated code associated with conditions known to occur with chronic pain.  C. Procedures performed  b. Associated CD-9-CM diagnostic code.  c. Patern of ICD-9-CM and CPT procedure codes.  a. Diagnosic uset associated  with trauma  a. Test results such as x-ray, contained in medical record.  a. Documented procedure  b. Pattern of care seeking behavior relating to or chabilitation care.  c. Time interval establishing  c. Time interval establishing  c. Time interval establishing  c. C. Time interval establishing  c. Associated time period of time of particular particular particular procedure codes associated with palliative or rehabilitation care.  b. Pattern of care seeking behavior relating to combination or providers.  c. Time interval establishing  c. Associated time period etime of particular	Domonico
hing a. A. hing as a se cl. P. A. A. L. P. A. L. C. P. A. L. C.	T
hing a. A. b.	_
hing a . Listed a. It is to b. Hing b. Hing b. Hing b. A. A. C.	-
hing a	ways: the pain can be a
hing a./  ad b./  c. I a. It  c. b. E  hing b. E	condition associated with a
hing a	disease state such as diabetes
hing a., a. d. b. d. b. d. b. d. d. b. d.	(indirect), or it can be the
hing a inted a. it. it. it. it. it. it. it. it. it. it	primary reason for the pain
hing a  ad b  c. I  isted a. I  isted a. I  in b. E. hing c. A.	condition such as low back
hing a	
hing a	conditions Certain co-morbidities are
hing cd siated siated from thing co	_
hing cr	chronic nain
hing to the hing of the hing to the hing t	Certain chronic pain natients
re re hing c	_
rd b. b. c. l. isiated a. a. l. l. c. b. F. b. F. b. F. b. F. c. A. c. C. A. c. C. A. c. C. A. c	_
re re hing	-
riated re hing	or to receive back-related
riated re	procedures.
riated re re hing	
hing hing	-
5 Hin	dical indications are trauma-related
re hing	in origin (e.g. CRPS)
	Chronic noin notionto
	_
	similar types of carries of
	_
associated period of time; or pattern of visits showing	
elapsed period of time (e.g. >91 days).	0

Non-Medical Indicia	Positive In	Positive	Probable	Possible In
. N. 1. de 1. de		Out	In	
Patient Self-Assessment - Pain Significantly Interferes with Life     Activities	×			
	×			
- 1	×			
	×			
5. Patient Self-Assessment - Low Family Support			×	
	×			
	×			
8. Patient Self-Assessment - Downward Health Trend			×	
9. Patient Self Assessment - Depression			: >	The same of the sa
10. Patient Self-Assessment - Low Life Satisfaction Score			*	
11. Patient Self-Assessment - Low Job Satisfaction Score				À
12. Patient Self-Assessment, or Family Assessment - Poor Community			* >	<>
Support Structure			<	<
13. Patient Self-Assessment, or Family Assessment - Lack of Daytime			^	>
Distractions			<	<
14. Patient is a Smoker			>	
15. Other Behavior Characteristics				>
Current				<
• Past*				
16. Patient Matches Personality/Psychological Risk Profile			×	
17. Pending Litigation Relating to Injury				>
18. Patient is Overweight by more than 25% of Normal Weight			×	<
19. Patient's Job is in a High Work Risk Category				×
20. Patient Involved in Recent or Pending Divorce				×

FIG. 8a

## TOZESO" SSTATESO

Non-Medical Indicia	Positive In	Positive In Positive Probable Possible In	Probable	Possible In
THE PLANT OF THE P		Out	,5	
21. Other Demographic Indicators:				1.5
• Age				<
Gender				
Economic status				
<ul> <li>Race/ethnicity*</li> </ul>				
22. Presence of an open workers' compensation claim				
23. Patient has Hired an Attorney for Representation on a Work-related				×;
Injury				Κ,

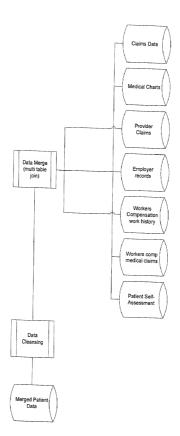


FIG. 9

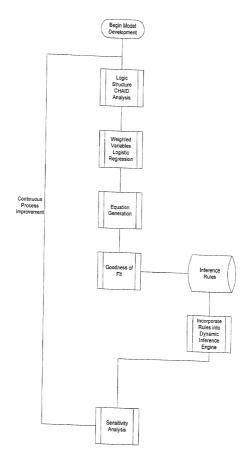


FIG. 10

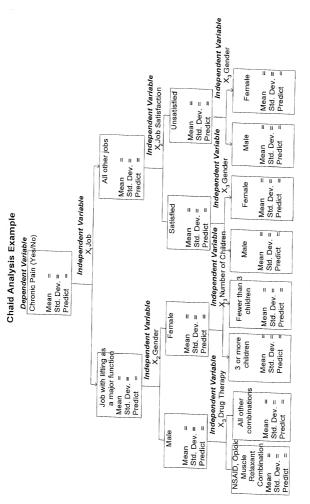


FIG. 11

Figure 9

Draft Dated 03/23/01

Pain Indication by Type/Site (Dependent Variable)

Chronic Pain Patient Identificatiom Process: Example of Flow Per Indication

Constant	Parameter	Odds Ratio	
Constant			P-Value
	ŧ		
Occupation Based upon Lifting (X,)	(±)	3.1	D<0.05
Gender (Male) (X.)			0.00
(42)	Đ	7.7	P<0.05
Drug 1 herapy (X <sub>3</sub> )	<del>+</del>	1 9	D<0.05
(X <sub>4</sub> )			0000
(X <sub>s</sub> )			

FIG. 13

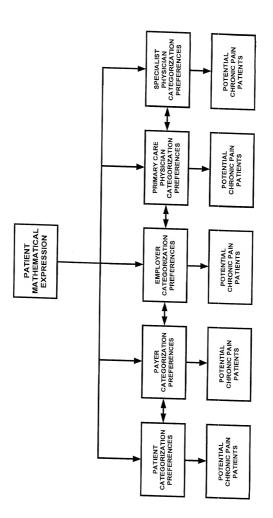


FIG. 14

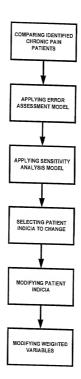


FIG. 15

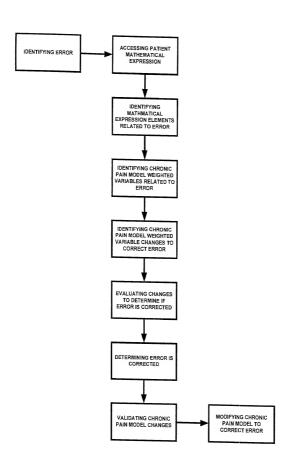


FIG. 16